

# Certificate of Analysis

## Compound Information

**Product Name:** (S)-Piperazine-2-Carboxylic Acid Dihydrochloride  
**CAS No.:** 158663-69-5  
**Cat. No.:** G1242520  
**Molecular Formula:**  $C_5H_{12}Cl_2N_2O_2$   
**Molecular Weight:** 203.07

## Batch Information

**Batch No.:** 4686262  
**Test Date:** 2023-05-20  
**Report Date:** 2023-05-21  
**Retest Date:** 2028-11-14  
**Storage:** Store in a cool, dry area.  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	98%+	Conforms to specification
NMR	Consistent with structure	Consistent with structure
Optical Rotation	$\pm 5$	-5.92

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

